

HEAT EXCHANGERS AND METHODS FOR
MANUFACTURING SUCH HEAT EXCHANGERS

ABSTRACT OF THE DISCLOSURE

A heat exchanger includes an aluminum member coated with a resin. The resin-coated aluminum member may be formed as a constituent part, e.g., a heat transfer member, a heater core, or the like, of the heat exchanger. In such heat exchangers, the aluminum member is connected to other resin-coated aluminum members by fusing the resin. Energy consumed during the connection of the aluminum members of the heat exchanger may be effectively reduced, and the manufacturing cost of the heat exchanger may be reduced, compared with that of heat exchangers made according to known methods that use a brazing filler metal.

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